

RUSH VALLEY

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10172700 VERNON CREEK NEAR VERNON, UT

LOCATION--Lat 39°58'46", long 112°22'46", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 2, T. 10 S., R. 5 W., Tooele County, Hydrologic Unit 16020304, on right bank 6.6 mi upstream from confluence with Dutch Creek forming Faust Creek and 8.3 mi southeast of Vernon.

DRAINAGE AREA--25.0 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1958 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE--Water-stage recorder. Elevation of gage is 6,200 ft above NGVD of 1929, from AMS topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 825 ft<sup>3</sup>/s, Aug 27, 1972, gage height, 5.70 ft, based on slope-area measurement; minimum daily, 0.41 ft<sup>3</sup>/s, Nov 20, 1961.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Mar 10	1730	*14	*1.27				

Minimum daily discharge, 1.1 ft<sup>3</sup>/s, Sept. 6.

**DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	2.0	2.2	2.6	2.2	e2.2	2.0	2.0	1.7	e1.5	e1.5	1.3
2	2.1	e2.0	2.4	2.5	2.4	e2.3	2.0	2.0	1.7	e1.4	1.5	1.5
3	2.0	e2.1	2.3	2.5	2.2	e2.3	2.2	2.0	1.7	e1.4	1.5	1.3
4	1.8	2.1	2.2	2.5	2.1	e2.3	2.2	2.0	1.7	e1.4	1.6	1.2
5	1.8	2.0	2.2	2.5	2.0	e2.4	2.2	2.0	1.7	e1.5	1.5	1.2
6	1.8	2.0	2.2	2.5	2.0	e2.5	2.2	2.0	1.7	e1.5	1.5	1.1
7	1.8	2.0	2.3	2.3	e2.0	e2.7	2.1	2.0	1.7	e1.5	1.5	1.2
8	1.8	e2.1	2.2	2.2	e2.0	e3.0	2.0	2.0	1.6	e1.5	1.5	1.3
9	1.9	e2.2	2.2	2.2	e2.1	e4.4	1.9	2.0	1.5	e1.6	1.5	1.3
10	1.8	2.2	2.2	2.2	e2.1	5.3	1.8	1.8	1.5	e1.6	1.5	1.7
11	1.8	2.2	2.2	2.2	e2.2	5.1	1.8	1.7	1.5	e1.6	1.4	1.6
12	1.8	2.1	2.2	2.2	2.2	3.2	1.8	1.7	1.5	e1.6	1.5	1.4
13	1.8	2.0	2.2	2.2	2.3	2.7	1.8	1.8	1.5	e1.6	1.3	1.4
14	1.8	2.0	2.2	2.2	2.2	2.3	1.8	1.8	1.5	e1.5	1.3	1.4
15	2.0	2.0	2.2	2.2	e2.3	2.2	1.9	1.8	1.5	e1.5	1.3	1.3
16	1.8	2.0	2.2	2.2	e2.4	2.4	2.0	1.8	1.3	e1.5	1.3	1.5
17	1.8	2.1	2.2	2.2	e2.4	2.3	2.0	1.9	1.3	e1.5	1.4	1.7
18	1.8	2.1	2.2	2.2	e2.4	2.2	2.1	2.0	1.3	e1.5	1.4	1.8
19	1.9	2.0	e2.2	2.2	e2.3	2.2	2.2	2.0	1.3	e1.4	1.5	1.7
20	2.0	2.0	2.2	2.2	e2.3	2.2	2.0	2.0	1.3	e1.4	1.5	1.6
21	2.0	2.0	2.2	2.2	e2.4	2.2	2.0	1.9	1.3	e1.4	1.2	1.7
22	2.1	2.0	2.2	2.2	e2.4	2.2	2.2	1.8	1.3	e1.5	1.2	1.7
23	2.0	2.1	2.2	2.2	e2.3	2.2	2.2	1.8	1.8	e1.6	1.3	1.7
24	2.0	2.1	e2.3	2.2	e2.3	2.2	2.0	1.8	2.0	e1.5	1.3	1.7
25	2.0	2.0	2.4	2.2	e2.2	2.2	1.8	1.8	1.7	e1.5	1.3	1.6
26	2.0	2.1	e2.4	2.2	e2.1	2.1	2.0	1.8	1.5	e1.5	1.3	1.6
27	2.0	2.2	2.5	2.2	e2.1	2.2	2.0	1.7	1.5	e1.5	1.3	1.6
28	2.0	2.2	2.5	2.2	e2.2	2.2	2.0	1.7	1.5	e1.5	1.3	1.6
29	2.0	2.2	2.5	2.2	---	2.1	2.0	1.7	e1.5	e1.4	1.2	1.6
30	2.0	2.2	2.5	2.2	---	2.1	2.0	1.7	e1.5	e1.4	1.4	1.5
31	2.0	---	2.6	2.3	---	2.0	---	1.7	---	e1.5	1.3	---
TOTAL	59.4	62.3	70.7	70.3	62.1	79.9	60.2	57.7	46.1	46.3	43.1	44.8
MEAN	1.92	2.08	2.28	2.27	2.22	2.58	2.01	1.86	1.54	1.49	1.39	1.49
MAX	2.1	2.2	2.6	2.6	2.4	5.3	2.2	2.0	2.0	1.6	1.6	1.8
MIN	1.8	2.0	2.2	2.2	2.0	2.0	1.8	1.7	1.3	1.4	1.2	1.1
AC-FT	118	124	140	139	123	158	119	114	91	92	85	89

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2003, BY WATER YEAR (WY)**

## RUSH VALLEY

10172700 VERNON CREEK NEAR VERNON, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 1959 - 2003
ANNUAL TOTAL	787.4	702.9	
ANNUAL MEAN	2.16	1.93	
HIGHEST ANNUAL MEAN			3.67
LOWEST ANNUAL MEAN			12.0
HIGHEST DAILY MEAN	6.1	Sep 6	1.26
LOWEST DAILY MEAN	1.6	Aug 29	70
ANNUAL SEVEN-DAY MINIMUM	1.6	Aug 29	Apr 24, 1983
ANNUAL RUNOFF (AC-FT)	1,560	1,390	Dec 18, 1967
10 PERCENT EXCEEDS	2.6	2.3	Jul 21, 1961
50 PERCENT EXCEEDS	2.1	2.0	
90 PERCENT EXCEEDS	1.8	1.4	

e Estimated

